

CLAIMS

What is claimed is:

- 1 1. An apparatus comprising:
 - 2 a traffic card including,
 - 3 a first and second ingress FIFO to be coupled to respectively receive both
 - 4 data and a clock signal from a first and second control card;
 - 5 a first and second deframer respectively coupled to said first and second
 - 6 ingress FIFOs;
 - 7 an aligner coupled to said first and second FIFO to keep the occupancy of
 - 8 data therein in sync based upon detected differences in alignment of data being
 - 9 received by the first and second deframers;
 - 10 a clock control logic to receive the clock signal from each of said first and
 - 11 second control cards, to exchange with a PLL a first clock signal for a PLL
 - 12 adjusted clock signal, and to provide said PLL adjusted clock signal to said
 - 13 aligner, said first ingress FIFO, and said second ingress FIFO, said clock control
 - 14 logic including,
 - 15 a phase adjuster to provide said first clock signal based on a
 - 16 currently selected one of the clock signals from said first and second
 - 17 control cards.